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AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently amended) A [[P]]pumping apparatus (1)—with a peristaltic drive device (3) for pumping a medium through a line (4) having at least one compressible portion, containing a one-piece shaft (10) with cams arranged so as to be offset with respect to one another and with attached lamellae (14), positive guidance for the lamellae (14) being provided, ~~characterized in that wherein~~ the cams are cam segments (13), the shaft (10) is essentially without a core shaft and essentially without a continuous core region, and the ratio between the lamella height (c) and lamella stroke (h) is about 4:1 or less.

2. (Currently amended) The [[P]]pumping apparatus (1)—according to Claim 1, ~~characterized in that wherein~~ the shaft (10) has a thin continuous core region (22), in particular a continuous core region (22) with a diameter of below 3 mm.

3. (Currently amended) The [[P]]pumping apparatus (1)—according to ~~one of the preceding claims~~ Claim 1, ~~characterized in that additionally comprising~~ a counterpressure plate (18) for applying the line, in particular a hose (4), and for supporting the pressure exerted on the line or the hose (4) by the lamellae (14).

4. (Currently amended) The [[P]]pumping apparatus (1)—according to Claim 3, ~~characterized in that wherein~~ the counterpressure plate (18) is sprung within a housing of the pumping apparatus (1) by ~~means of~~ one or more springs (19, 23, 26), ~~in particular by means of barrel springs (23), leaf springs (26) or another type of spring~~.

5. (Currently amended) A [[S]]shaft (10)—for a pumping apparatus (1) with a peristaltic drive device (3) according to ~~one of the preceding claims~~, the shaft being formed in one piece, ~~characterized in that wherein~~ the shaft (10) is designed without a core shaft and essentially without a continuous core region or, for an increase in stability, with ~~the~~ a thin continuous core region with a diameter of below 3 mm and having cam segments (13) offset with respect to one another and contiguous to one another.

6. (Currently amended) The [[S]]shaft (10)—according to Claim 5, ~~characterized in that wherein~~ an odd or even number of cam segments (13) is provided.

7. (Currently amended) The [[S]]shaft (10)—according to Claim 5 to 6, ~~characterized in that wherein~~ the cam segments (13) are offset with respect to one another in such a way that

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only one cam segment is at a maximum distance from an imaginary center line (21) of the shaft (10).

8. (Currently amended) The [[S]]shaft (10) according to Claim 7, characterized in that wherein a uniform offset (α) of the cam segments (13) is provided, ~~in particular an offset of 40° in the case of nine cam segments (13).~~

9. (Currently amended) The [[S]]shaft (10) according to one of Claims Claim 5 to 8, characterized in that wherein the shaft (10) consists of comprises a plastic, in particular of a carbon fibre plastic, of a glass-fibre-reinforced polymer or of another stable and dimensionally consistent material.

10. (Currently amended) Use of [[t]]The pumping apparatus (1) according to one of Claim[[s]] 1 to 4, wherein said line and drive device are configured as an infusion pump or transfusion pump, for dialysis or as a hose pump for other medical purposes.